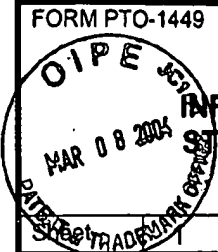


FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Compl t If Known	
 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/651,137		
		Filing Dat	August 28, 2003		
		First Named Invent r	Kopf, et al.		
		Group Art Unit	Unknown		
		Examiner Name	Unknown		
		Attorney Docket Number	41118US		
		of	1		

U. S. PATENT DOCUMENTS							
Examiner Initials		Document Number	Date	Name	Class	Sub-Class	Filing Date
hmb	AA	5,944,867	8/31/99	Chesnoy, et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						
	AR						

FOREIGN PATENT DOCUMENTS							
Examiner Initials		Document Number	Date	Country	Class	Sub-Class	TRNS Y/N
hmb	AS	1 096 283 A2	10/14/2000	EPO			
hmb	AT	1 130 436 A1	03/02/2001	EPO			
hmb	AU	35 44 137 A1	12/16/1985	DE			
hmb	AV	29 39 231 A1	04/02/1981	DE			
	AW						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AX	Lacy, et al., "Fiber Optics" Prentice Hall, USA XP-002260397 page 71	
AY		
AZ		

Examiner Signature	<i>Hae Moon Hyun</i>	Date Considered	6-29-04
--------------------	----------------------	-----------------	---------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		<div> <div>Complete if Known</div> <table> <tr> <td>Application Number</td> <td>UNKNOWN</td> </tr> <tr> <td>Filing Date</td> <td>August 28, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Kopf et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>UNKNOWN</td> </tr> <tr> <td>Examiner Name</td> <td>UNKNOWN</td> </tr> <tr> <td>Attorney Docket Number</td> <td>21334-1245</td> </tr> </table> </div>		Application Number	UNKNOWN	Filing Date	August 28, 2003	First Named Inventor	Kopf et al.	Group Art Unit	UNKNOWN	Examiner Name	UNKNOWN	Attorney Docket Number	21334-1245
Application Number	UNKNOWN																
Filing Date	August 28, 2003																
First Named Inventor	Kopf et al.																
Group Art Unit	UNKNOWN																
Examiner Name	UNKNOWN																
Attorney Docket Number	21334-1245																
<div> <div>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> </div>																	
Sheet	1	of	1														

U. S. PATENT DOCUMENTS							
Examiner Initials		Document Number	Date	Name	Class	Sub-Class	Filing Date
h m h	AA	4,982,083	1/1/91	Graham et al.	250	227.11	1/3/90
h m h	AB	5,076,688	12/31/91	Bowen et al.	356	73.1	5/30/91
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						
	AR						

FOREIGN PATENT DOCUMENTS							
Examiner Initials		Document Number	Date	Country	Class	Sub-Class	TRNS Y/N
h m h	AS	19951257A1	4/26/01	Germany	G02B	6/28	N
h m h	AT	4428855A1	2/15/96	Germany	G02B	6/36	N
h m h	AU	3544137A1	6/19/87	Germany	H04B	17/00	N
	AV						
	AW						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
AX	
AY	
AZ	

Examiner Signature	Hae Moon Hyeon	Date Considered	6-29-04
--------------------	----------------	-----------------	---------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.